

## FRACTIONS, PERCENTAGES AND DECIMAL FRACTIONS

**A:** I can carry out calculations using decimal fractions

**B:** I can solve problems involving fractions.

**C:** I can solve problems involving percentages.

**D:** I can use answers to problems to make comparisons and informed choices for real life situations.

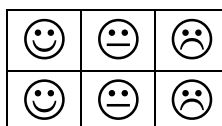
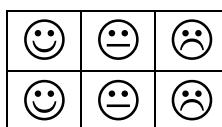
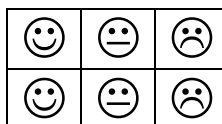
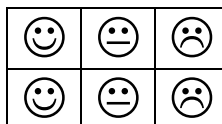
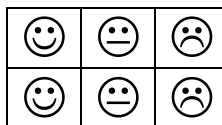
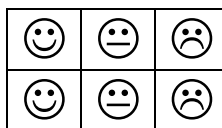
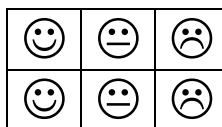
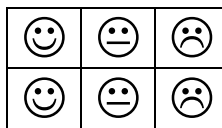
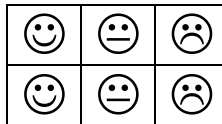
**E:** I can convert between fractions, percentages and decimal fractions.

**F:** I can round numbers to:

- decimal places
- significant figures

**G:** I can solve problems involving fractions, decimal fractions and percentages

**H:** I can use my answers to problems to make comparisons and informed choices for real-life situations



Calculate  $52.97 + 157.4$ ; Calculate  $34.7 \times 6$   
Calculate  $194.9 - 45.48$ ; Calculate  $53.8 \div 3$   
Calculate  $63.98 \times 10$ ,  $63.98 \times 100$ ,  
 $63.98 \div 10$ ,  $63.98 \times 30$

Calculate a)  $\frac{3}{4}$  of 24kg b)  $\frac{2}{3}$  of £36

Find a) 20% of £50 b) 6% of 110mm

Two shops have a sale. One offers 20% discount, the other  $\frac{1}{4}$  off the price. Which offers the best deal?

Percentage	Decimal fraction	Fraction
50%		
	0.25	
		$\frac{3}{4}$
20%		
		$\frac{2}{3}$

Round the following to one decimal place:

a) 3.63 b) 32.57 c) 97.77 d) 42.99

Round the following to two decimal places

a) 4.687 b) 123.947 c) 1.0944

Round the following to 3 significant figures

a) 144632 b) 95.982 c) 0.7967

A tractor bought for £52000 in 2002 has depreciated in value over the past few years. It is now worth 32% less than the original value.

What is the tractor worth today?

Ian scored 21 out of 30 in a Maths test and 50 out of 60 for his History test. What was his percentage score in each exam?